

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A driving method for an electro-luminescent device which includes, corresponding to an intersection of a scanning line and a data line, ~~a power line,~~ an electro-luminescent element, a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current and a switching transistor that controls the driving transistor, the driving method comprising:

a setting step, performed during a first sub horizontal scanning period of a horizontal scanning period, of supplying a first on-signal to the switching transistor via the scanning line, and of supplying a set signal to select a conducting state or a non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the first on-signal is supplied;

a resetting step, performed during a second sub horizontal scanning period of the horizontal scanning period, of supplying a second on-signal to the switching transistor via the scanning line, and of supplying a reset signal to select the non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the second on-signal is ~~supplied; and~~ supplied,

~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step;~~ wherein the period for which the first on-signal is supplied coincides with a period for which the set signal is supplied.

2. (Canceled)

3. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including performing the setting step in a first horizontal scanning period, and performing the resetting step in a second horizontal scanning period.

4. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including obtaining a gray-scale by performing a plurality of set-reset operations, each set-reset operation including the setting step and the resetting step.

5. (Previously Presented) The driving method for an electro-luminescent device according to claim 4, further including providing a time interval between the setting step and the resetting step that is different for each of the plurality of set-reset operations.

6. (Previously Presented) The driving method for an electro-luminescent device according to claim 4, further including providing the time interval between the setting step and the resetting step for each of the plurality of set-reset operations to be completely different from each other, and the ratio of time intervals for the plurality of set-reset operations being set to be about $1:2: \dots :2^n$ (n is an integer of one or more) based on the minimum time interval.

7. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including providing the set signal to be a signal for setting the conducting state for the driving transistor rather than the signal for selecting the conducting state or the non-conducting state of the driving transistor.

8. (Previously Presented) The driving method for an electro-luminescent device according to claim 1, further including driving the electro-luminescent element including an organic electro-luminescence element.

9. (Previously Presented) An electro-luminescent device driven by the driving method according to claim 1.

10. (Currently Amended) An electro-luminescent device, comprising:
- a scanning line;
 - a data line;
 - ~~a power line;~~
 - an electro-luminescent element corresponding to an intersection of the scanning line and the data line;
 - a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current;
 - a switching transistor that controls the driving transistor; and
 - a drive circuit that generates a signal to set the switching transistor to be an on-state or an off-state, and that generates a set signal to set the driving transistor during a first sub horizontal scanning period of a horizontal scanning period or a reset signal to reset the driving transistor during a second sub horizontal scanning period of the horizontal scanning period in accordance with the signal to set the switching transistor to be the on-state or the ~~off state; and~~off-state,
 - ~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein the drive circuit is configured to supply a period for which a first on-signal is supplied to the switching transistor during a period that coincides with a period for which the set signal is supplied.~~

11. (Currently Amended) An electro-luminescent device, comprising:

- a scanning line;
- a data line;
- ~~a power line;~~

an electro-luminescent element corresponding to an intersection at the scanning line and the data line;

a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current;

a switching transistor that controls the driving transistor;

a scanning line driver that supplies a signal to set the switching transistor to be an on-state or an ~~on-state~~ off-state to the scanning line; and

a data line driver that supplies a set signal to set the driving transistor during a first sub horizontal scanning period of a horizontal scanning period or a reset signal to reset the driving transistor during a second sub horizontal scanning period of the horizontal scanning period to the data line in accordance with an operation of the scanning line driver; driver,

wherein the data line driver is configured to supply a period of supplying the reset signal to reset the driving transistor via the data line within a vertical scanning period being during a period that is substantially constant; constant, and

a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein the scanning line driver is configured to supply a period for which a first on-signal is supplied to the switching transistor during a period that coincides with a period for which the set signal is supplied.

12. (Currently Amended) An electro-luminescent device, comprising:

a scanning line;

a data line;

~~a power line;~~

an electro-luminescent element corresponding to an intersection of the scanning line and the data line;

a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the current; and

a switching transistor that controls the driving transistor, an on-signal to perform a setting step of setting the electro-luminescent element during a first sub horizontal scanning period of a horizontal scanning period and a resetting step of resetting the electro-luminescent element during a second sub horizontal scanning period of the horizontal scanning period being supplied to the switching transistor via the scanning ~~line;~~line,

~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; and~~

wherein a ~~the~~ number of the signal to perform the setting step and a number of the signal to perform the resetting step ~~being~~are substantially the ~~same; whereinsame, and~~

the switching transistor is configured to supply a period for which a first on-signal ~~is supplied~~ to the switching transistor during a period that coincides with a period for which the set signal is supplied.

13. (Previously Presented) The electro-luminescent device according to claim 10, the electro-luminescent element including an organic electro-luminescence element.

14. (Previously Presented) An electronic apparatus, comprising:
the electro-luminescent device set forth in claim 9.

15. (Currently Amended) A driving method for an electro-luminescent device which includes, corresponding to an intersection of a scanning line and a data line, an electro-luminescent element, a driving transistor that controls a current flowing through the electro-

luminescent element, the electro-luminescent element emitting light by the current and a switching transistor that controls the driving transistor, the driving method comprising:

a setting ~~step-step~~, performed during a first sub horizontal scanning period of a horizontal scanning period, of supplying a first on-signal to the switching transistor via the scanning line, and of supplying a set signal to select a conducting state or a non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the first on-signal is supplied; and

a resetting ~~step-step~~, performed during a second sub horizontal scanning period of the horizontal scanning period, of supplying a second on-signal to the switching transistor via the scanning line, and of supplying a reset signal to select the non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with a period for which the second on-signal is supplied, the setting step and the resetting step forming a set-reset ~~operation;operation~~,operation,

wherein a plurality of the set-reset ~~operation-being~~operations are performed within one frame period, at least two set-reset operations of the plurality of the set-reset operation having mutually different time ~~lengths;lengths~~ lengths and

~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; wherein~~ the period for which the first on-signal is supplied coincides with a period for which the set signal is supplied.

16. (Currently Amended) An electro-luminescent device, comprising:

a scanning line;

a data line;

~~a power line;~~

an electro-luminescent element corresponding to an intersection of the scanning line and the data line;

a driving transistor that controls a current flowing through the electro-luminescent element, the electro-luminescent element emitting light by the ~~current~~, current;

a switching transistor that controls the driving ~~transistor~~, transistor; and

a drive circuit that generates an on-signal to perform a setting step of setting the electro-luminescent element during a first sub horizontal scanning period of a horizontal scanning period and a resetting step of resetting the electro-luminescent element during a second sub horizontal scanning period of the horizontal scanning period ~~being~~ supplied to the switching transistor via the scanning ~~line~~, line,

~~a horizontal scanning period that includes a first sub horizontal scanning period to perform the setting step and a second sub horizontal scanning period to perform the resetting step; and~~

wherein a plurality of ~~the~~ pairs of the setting step and the resetting step ~~being~~ are performed within one frame period, period, and

~~wherein~~ a period for which a first on-signal is supplied to the switching transistor coincides with a period for which ~~the~~ a set signal is supplied.